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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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09/09/2005

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EXAMINER

NGUYEN, THANH T

ART UNIT

PAPER NUMBER

2144

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/731,624

Applicant(s)

FRENCH ET AL.

Examiner

Tammy T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on JUne 3, 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 December 2000 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |



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Detailed Office Action

1. In view of the Appeal Brief filed on June 3, 2005, PROSECUTION IS HEREBY REOPENED. A new ground of rejection is set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

- (1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,
- (2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

2. Claims 1-27 are reopen for examination.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 12-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Beelitz et al. (USPN January 30, 2001 – Date of Patent: 6,182,275, herein referred to as “Beelitz”).

5. As to claim 12, Beelitz teaches the invention as claimed, including computer program product in a computer usable medium for dynamically creating a list of operating systems for a target device in communication with a server, the target device to be remotely booted by the server, comprising: means for receiving at the target device an available operating systems list of at least one operating system available to the target device (col.7, lines 35-40, lines 48-51); means for determining a hardware configuration of the target device (col.18, lines 60-65); means for determining if the hardware configuration is compatible with each operating system from the available operating systems list (col.16, lines 4-10); and means for generating a compatible operating systems list (col.18, lines 5-10).

6. As to claim 13, Beelitz teaches the invention as claimed, further comprising: means for discovering the hardware configuration via a network discovery process (col.2, lines 2, lines 10-18).

7. As to claim 14, Beelitz teaches the invention as claimed, further comprising: means

for determining at least one location-based operating system based on the location of the target device (col.15, lines 55-65).

8. As to claim 15, Beelitz teaches the invention as claimed, further comprising: means for adding the location-based operating system to the available operating systems list (col.16, lines 1-10).

9. As to claim 16, Beelitz teaches the invention as claimed, further comprising: means for determining if the hardware configuration is compatible with the location-based operating system (col.16, lines 1-9).

10. As to claim 17, Beelitz teaches the invention as claimed, further comprising: means for adding the location-based operating system to the compatible operating systems list if the hardware configuration is compatible with the location-based operating system (col.15, lines 55-65).

11. As to claim 18, Beelitz teaches the invention as claimed, further comprising: means for receiving a selection of a target operating system from the compatible operating system list (col.7, lines 35-40, lines 48-51); and means for sending the target operating system to the target device (col.15, lines 55-65).

12. As to claim 19, Beelitz teaches the invention as claimed, further comprising: means

for executing a network bootstrap on the target device before the target operating system is selected (col.7, lines 35-40, lines 48-51).

13. As to claim 20, Beelitz teaches the invention as claimed, further comprising: means for relocating the network bootstrap after the target operating system is selected (col.18, lines 60-65).

Claim Rejections - 35 USC § 103

14. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

15. Claims 1-11, 21-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beelitz et al., (hereinafter Beelitz) U.S. Patent No. 6,182,275 in view of DeSimone et al., (hereinafter DeSimone) U.S. Patent No. 5,905,872.

16. As to claim 1, Beelitz teaches the invention as claimed, including a method of dynamically creating a list of operating systems for a target device in communication with a server the target device to be remotely booted by the server, prior to executing an operating system on the target device, comprising: receiving, at the target device, an available operating

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systems of at least one operating system available to the target device (see col.7, lines 35-40, lines 48-51, and col.16, lines 35-38); determining a hardware configuration of the target device (see col. 18, lines 50-55); determining if the hardware configuration is compatible with each operating system from the available operating systems list (see col.11, lines 50-55, and col.16, lines 4-10); and generating a compatible operating systems list (see Abstract, col.4, lines 40-50, and col.18, lines 5-10). But Beelitz does not explicitly teach a server send a list. However, DeSimone teaches a server send a list (see col.5, lines 47-51). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of DeSimone into the computer system of Beelitz to process XML documents because it would have an efficient system that can help to save resources and times of the user.

17. As to claim 2, Beelitz teaches the invention as claimed, wherein the hardware configuration is determined by a network discovery process (col.2, lines 2, lines 10-18).

18. As to claim 3, Beelitz teaches the invention as claimed, further comprising: mapping a specific location of the target device (col.15, lines 55-65).

19. As to claim 4, Beelitz teaches the invention as claimed, further comprising: determining at least one location-based operating system that is based on the specific location of the target device (col.15, lines 55-65).

20. As to claim 5, Beelitz teaches the invention as claimed, further comprising:

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determining if the hardware configuration is compatible with the location-based operating system (col.16, lines 1-9).

21. As to claim 6, Beelitz teaches the invention as claimed, wherein the compatible operating systems list does not include the location-based operating system, further comprising: adding the location-based operating system to the compatible operating systems list (col.16, lines 5-10).

22. As to claim 7, Beelitz teaches the invention as claimed, wherein the available operating systems list does not include the location-based operating system, further comprising: adding the location-based operating system to the available operating systems list (col.16, lines 1-10).

23. As to claim 8, Beelitz teaches the invention as claimed, further comprising: selecting, at the target device, a target operating system from the compatible operating system list (col.16, lines 8-18).

24. As to claim 9, Beelitz teaches the invention as claimed, further comprising: receiving at the target device, the target operating system (col.15, lines 55-65).

25. As to claim 10, Beelitz teaches the invention as claimed, further comprising:

providing an initial bootstrap to the target device; and executing the initial bootstrap on the target device before the target operating system is selected_(col.7, lines 35-40, lines 48-51).

26. As to claim 11, Beelitz teaches the invention as claimed, further comprising:
relocating the initial bootstrap after the target operating system is received (col.18, lines 60-65).

27. As to claim 21, Beelitz teaches the invention as claimed, including a network data processing system comprising: means for sending an available operating systems to a target device, the target device to be remotely booted by the server (see col.15, lines 1-45, and col.18, lines 11-28), prior to executing an operating system on the target device (col.7, lines 35-40, lines 48-51); means for determining a hardware configuration of the target device (col.18, lines 60-65); means for determining if the hardware configuration is compatible with each operating system from the available operating systems list (col.16, lines 4-10); and means for generating a compatible operating systems list (col.18, lines 5-10). But Beelitz does not explicitly teach a server send a list. However, DeSimone teaches a server send a list (see col.5, lines 47-51). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of DeSimone into the computer system of Beelitz to process XML documents because it would have an efficient system that can help to save resources and times of the user.

28. As to claim 22, Beelitz teaches the invention as claimed, further comprising: means

for determining a specific location of the target device (col.15, lines 55-65); means for determining at least one location-based operating system that is based on the specific location (col.15, lines 55-65); and means for determining if the location-based operating system is compatible with the hardware configuration (col.16, lines 4-10).

29. As to claim 23, Beelitz teaches the invention as claimed, further comprising: means for executing a network bootstrap program on the target device before a target operating system is selected (col.7, lines 35-40, lines 48-51); means for selecting the target operating system from the compatible operating systems list (col.15, lines 55-65); means for relocating the network bootstrap program after the target operating system is selected (col.18, lines 60-65); and means for sending the target operating system to the target device (col.16, lines 1-10).

30. As to claim 24, Beelitz teaches the invention as claimed, including a method for dynamically creating a list of operating systems for a target device in communication with a server, the target device to be remotely booted by the server, prior to executing an operating system on the target device, comprising: receiving from the server, at the target device, an available operating systems list of at least one operating system available to the target device (see col.7, lines 35-40, lines 48-51, and col.16, lines 35-38); determining a hardware configuration of the target device (see col. 18, lines 50-55); determining if the hardware configuration is compatible with each operating system from the available operating systems list (see col.11, lines 50-55, and col.16, lines 4-10); and generating a compatible operating system list (Fig.2, list of compatible operating system type 626); selecting a preferred operating system

for the target device from the compatible operating systems list (Fig.2, 629); and executing the preferred operating system on the target device (Fig.1) (see col.4, lines 10-58, col.18, lines 30-44). But Beelitz does not explicitly teach a server send a list. However, DeSimone teaches a server send a list (see col.5, lines 47-51). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of DeSimone into the computer system of Beelitz to process XML documents because it would have an efficient system that can help to save resources and times of the user.

31. As to claim 25, Beelitz teaches the invention as claimed, wherein selecting operating system for the target device comprises an automatic selection (see col.10, lines 1-18, and col.13, lines 25-40).

32. As to claim 26, Beelitz teaches the invention as claimed, wherein selecting a preferred operating system for the target device comprises a selection by a system administrator (see col.6, lines 55-65, and col.7, lines 35-65).

33. As to claim 27, Beelitz teaches the invention as claimed, wherein selecting a preferred operating system for the target device comprises a selection by a user (see col.4, lines 40-65, and col.7, lines 35-65).

Conclusion

34. Any inquiries concerning this communication or earlier communications from

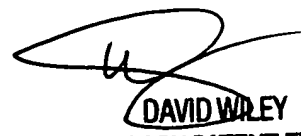
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the examiner should be directed to **Tammy T. Nguyen** who may be reached via telephone at **(571) 272-3929**. The examiner can normally be reached Monday through Friday between 8:00 a.m. and 5:00 p.m. eastern standard time.

If you need to send the Examiner, a facsimile transmission regarding this instant application, please send it to **(703) 872-9306**. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, David Wiley, may be reached at **(571) 272-3923**.

TTN

August 15, 2005.


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